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(71) Applicants and

(72) Inventors: LEYLAND-JONES, Brian [CA/CA]; 7816
Bodinier, Anjou, Québec H1K 4C5 (CA). WONG, Pierre
[CA/CA]; Apartment 4, 3415 Aylmer, Montréal, Québec
H2X 2B4 (CA).

(74) Agents: CÔTÉ, France et al.; Swabey Ogilvy Renault,
1981 McGill College Avenue, Suite 1600, Montréal,
Québec H3A 2Y3 (CA).

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(54) Title: ELISA KIT FOR THE DETERMINATION OF METABOLIC PHENOTYPES

(57) Abstract: The invention relates to an enzyme linked immunosorbent assay (ELISA) kit for the rapid determination of metabolic phenotypes including but not limited to CYP 1A2, N-acetyltamferase-1 (NAT-1), CYP 2P6, CYP 2E1 and CYP 3A4, which can be used on a routine basis in a clinical laboratory. The ELISA kit allows physicians to a) individualize therapy of drugs such as theophylline, tamoxifen, and clozapine and b) to predict susceptibility to carcinogen induced diseases such as colon rectal cancers. To reduce the number of patients undergoing clinical testing by selecting for patients with the appropriate phenotype most likely to respond.

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